

Safety Data Sheet

acc. To OSHA HCS

Reviewed on 6/23/2022

Printing date 6/23/2022

Trade Name: Empty Cellulose Capsules (HPMC Capsules)

1 Identification

1.1 Product identifier

Trade name: Hard Empty Cellulose Capsules (HPMC Capsules)

Product Code: G4019, G4022, G4023, G4024, G4042, G4043, G4084, G4085

Application of the substance / the mixture: Vacant HPMC shells, for use as encapsulated dose administration.

1.2 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SpecializedRx Products, LLC

3787 95th Ave NE Ste 100

Circle Pines, MN 55014 USA

www.specializedrx.com

sales@specializedrx.com

Information department:

Tel.: 1-888-512-1209

Fax: 1-612-424-8481

1.3 Emergency telephone number:

Emergency Telephone:

US: 1-888-512-1209

International: 1-888-512-1209

2 Hazard(s) identification

Classification of the substance or mixture:

Not classified as dangerous according to the GHS (Globally Harmonized System of Classification & Labelling of Chemicals).

GHS Signal Word: N/A

GHS Hazard Phrases:

Not applicable.

GHS Precaution Phrases:

Not applicable.

GHS Response Phrases:

Not applicable

GHS Storage and Disposal Phrases: Not applicable

Eye Contact: Not applicable

Skin Contact: Not applicable

Ingestion: Not applicable

Inhalation: Not applicable

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3 Composition/information on ingredients

3 – Composition/Information on Ingredients

Chemical Name	CAS Number	% By Weight
Hydroxypropyl Methylcellulose (HPMC)	9004-65-3	85-95%
Purified Water	7732-18-5	5-8%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

4 First-aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Not applicable.

After skin contact: Wash with water if necessary; materials are not considered to have any adverse properties affecting skin.

After eye contact: Flush eyes with water as a precaution.

After swallowing: Not applicable. Product is non-hazardous. Drink a glass of water.

4.2 Most important symptoms and effects, both acute and delayed

Not applicable.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Flash Pt: Not applicable

Fire Fighting Instructions:

AS IN ANY FIRE, WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR.

Flammable Properties and Hazards: Carbon monoxide and carbon dioxide toxic gases are expected when product contacts fire.

Auto-ignition Pt: Not applicable.

Explosive Limits: LEL: Not determined UEL: Not determined

Suitable Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Use extinguishing media as appropriate for the surrounding fire.

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Non-emergency personnel: No special requirements

Emergency procedures: No special requirements.

Emergency responders: No special requirements.

6.2 Environmental precautions:

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up:

Take up mechanically (sweeping/shoveling) and collect in suitable containers for disposal. No special measures required.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Protective Action Criteria for Chemicals

PAC-1: None of the ingredients is listed.

PAC-2: None of the ingredients is listed.

PAC-3: None of the ingredients is listed.

7 Handling and storage

7.1 Precautions for safe handling:

No special measures required; product is non-hazardous. Avoid hard impacts, wetness and heat sources as these may alter the integrity of the capsules.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

No specific handling or storage procedure has been identified; however, it is recommended that the capsules are stored between 15-30°C & RH 35-65%. Avoid direct sunlight and direct transfer from high temperatures to low temperatures.

7.3 Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Respiratory Equipment (Specify Type):

No personal respiratory protective equipment is normally required.

Eye Protection:

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No personal eye protection equipment is normally required.

Protective Gloves: No special protective equipment is required. Wear-resistant gloves may be worn if desired or deemed necessary.

Other Protective Clothing: No special protective equipment normally required.

Engineering Controls (Ventilation etc.): No special protection measures are normally required.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance: Elliptical hollow form solid, with or without color

Form: Solid

Color: Varies

Odor: Characteristic odor

pH-value: Not determined

Melting point/Melting range: Not applicable

Boiling point/Boiling range: Not applicable

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable

Ignition temperature: Not determined

Decomposition temperature: Not determined

Auto igniting: Not determined

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapor pressure: Not determined.

Specific gravity: Not determined

Density: Not determined

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with Water: Water soluble

Partition coefficient (n-octanol/water): Not determined.

Viscosity: Not determined.

Dynamic: Not determined.

Kinematic: Not determined.

9.2 Other information: No further relevant information available.

10 Stability and reactivity

10.1 Reactivity: Stable under normal use conditions.

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10.2 Chemical stability: Stable under normal use conditions.
10.3 Possibility of hazardous reactions: No dangerous reactions known.
10.4 Conditions to avoid: Temperature over 35°C can irreversibly damage the product.
10.5 Incompatible materials: No specific data available.
10.6 Hazardous decomposition products: No data available.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Non-toxic, generally regarded as safe.

Carcinogenesis: Not applicable

Target Organ Effect: Not applicable

No adverse reaction & abnormality found by oral administration of this material.

Additional toxicological information:

No further relevant information available.

12 Ecological information

12.1 Toxicity

Aquatic toxicity: Non-toxic

12.2 Persistence and degradability: Fully biodegradable.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods

THIS MATERIAL, AS SUPPLIED, IS NOT A HAZARDOUS WASTE ACCORDING TO FEDERAL REGULATIONS (40 CFR 261). THIS MATERIAL COULD BECOME A HAZARDOUS WASTE IF IT IS MIXED WITH OR OTHERWISE COMES IN CONTACT WITH A HAZARDOUS WASTE, IF CHEMICAL ADDITIONS ARE MADE TO THIS MATERIAL, OR IF THE MATERIAL IS PROCESSED OR

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OTHERWISE ALTERED. CONSULT 40 CRF 261 TO DETERMINE WHETHER THE ALTERED MATERIAL IS A HAZARDOUS WASTE. CONSULT THE APPROPRIATE STATE, REGIONAL, OR LOCAL REGULATIONS FOR ADDITIONAL REQUIREMENTS.

14 Transport information

14.1 Precautions: must be transported in temperature range of 5-30°C. Not classified as dangerous goods.

15 Regulatory information

15.1 EEC labeling: No specific regulatory information necessary; no relevant information applicable.

16 Other information

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. However, the information is provided without any representation or warranty, expressed or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.

Department issuing SDS:

SpecializedRx Products, LLC

Quality Assurance

Contact: sales@specializedrx.com

Date of preparation / last revision: 6/23/2022

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LD50: Median lethal dose

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit